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OM protein - protein search, using sw model

Run on: January 13, 2006, 14:55:05 ; Search time 45 Seconds
(without alignments)
82.676 Million cell updates/sec

Title: US-10-010-709-1

Perfect score: 259
Sequence: 1 KSCCRSTLGRNCYNLCRVAG.....AGVCRCKLTSSGKCTGFPK 45

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/prodata/1/1aa/5_COMB.pep: *
2: /cgn2_6/prodata/1/1aa/6_COMB.pep: *
3: /cgn2_6/prodata/1/1aa/H_COMB.pep: *
4: /cgn2_6/prodata/1/1aa/PCFUS_COMB.pep: *
5: /cgn2_6/prodata/1/1aa/RE_COMB.pep: *
6: /cgn2_6/prodata/1/1aa/backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysts of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	259	100.0	45	1	US-08-608-786-1 Sequence 1, Appl
2	259	100.0	45	1	US-08-824-379-1 Sequence 1, Appl
3	259	100.0	45	1	US-08-824-382-1 Sequence 1, Appl
4	259	100.0	45	1	US-08-838-763-1 Sequence 1, Appl
5	247	95.4	45	1	US-08-838-763-3 Sequence 3, Appl
6	244	94.2	45	1	US-08-838-763-2 Sequence 2, Appl
7	235	90.7	45	1	US-08-838-763-7 Sequence 7, Appl
8	231	89.2	45	1	US-08-608-786-2 Sequence 2, Appl
9	231	89.2	45	1	US-08-824-382-2 Sequence 2, Appl
10	231	89.2	45	1	US-08-838-763-8 Sequence 8, Appl
11	231	89.2	45	1	US-08-719-500-1 Sequence 1, Appl
12	225	86.9	45	1	US-08-838-763-4 Sequence 4, Appl
13	224	86.5	45	1	US-07-973-852-1 Sequence 1, Appl
14	224	86.5	45	1	US-07-950-773-1 Sequence 1, Appl
15	214	82.6	45	1	US-07-973-852-2 Sequence 2, Appl
16	214	82.6	45	1	US-07-973-852-3 Sequence 3, Appl
17	214	82.6	45	1	US-07-950-773-2 Sequence 2, Appl
18	214	82.6	45	1	US-07-950-773-3 Sequence 3, Appl
19	209	80.7	45	1	US-08-838-763-5 Sequence 5, Appl
20	202	78.0	45	1	US-08-838-763-6 Sequence 6, Appl
21	200	77.2	45	1	US-08-824-379-2 Sequence 2, Appl
22	182	70.3	45	1	US-08-608-786-3 Sequence 3, Appl
23	182	70.3	45	1	US-08-824-382-3 Sequence 3, Appl
24	170	65.6	45	1	US-08-824-379-3 Sequence 3, Appl
25	169	64.3	45	1	US-08-838-763-9 Sequence 9, Appl
26	166.5	64.3	46	2	US-09-030-619-230 Sequence 230, App
27	166.5	64.3	46	2	US-09-444-281-111 Sequence 111, App

28	146	56.4	47	4	PCT-US96-08811-2	Sequence 2, Appl
29	73.5	28.4	249	2	US-09-252-991A-28972	Sequence 28972, A
30	72.5	28.0	180	2	US-09-510-238A-286	Sequence 286, App
31	70.5	27.2	278	1	US-08-460-309-13	Sequence 13, Appl
32	70.5	27.2	278	1	US-08-125-077-13	Sequence 13, Appl
33	70.5	27.2	279	1	US-08-152-019A-29	Sequence 29, Appl
34	70.5	27.2	1196	1	US-08-144-121-4	Sequence 4, Appl
35	70.5	27.2	1196	1	US-08-735-893-4	Sequence 4, Appl
36	70.5	27.2	1196	2	US-10-841-139-4	Sequence 4, Appl
37	70.5	27.2	1765	2	US-09-562-702A-16	Sequence 16, Appl
38	70.5	27.2	1765	2	US-09-561-818A-16	Sequence 16, Appl
39	70.5	27.2	1765	2	US-10-037-182-8	Sequence 8, Appl
40	70.5	27.2	1786	2	US-09-562-702A-14	Sequence 14, Appl
41	70.5	27.2	1786	2	US-09-561-818A-14	Sequence 14, Appl
42	70.5	27.2	1786	2	US-09-561-709B-9	Sequence 9, Appl
43	70.5	27.2	1786	2	US-09-538-092-869	Sequence 869, App
44	70.5	27.2	1786	2	US-10-037-182-6	Sequence 6, Appl
45	69.5	26.8	271	1	US-08-152-019A-28	Sequence 28, Appl

ALIGNMENTS

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RESULT 1
US-08-608-786-1
; Sequence 1, Application US/08608786
; Patent No. 5703049
; GENERAL INFORMATION:
; APPLICANT: Rao, A. Gururaj
; TITLE OF INVENTION: High Methionine Derivatives of
; TITLE OR INVENTION: Alpha-Hordothionin for Pathogen-Control
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pioneer Hi-Bred International, Inc.
; STREET: 700 Capital Square, 400 Locust Street
; CITY: Des Moines
; STATE: Iowa
; COUNTRY: United States of America
; ZIP: 50309
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/608,786
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Simon, Soma G.
; REGISTRATION NUMBER: 37,444
; REFERENCE/DOCKET NUMBER: 456-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 515-248-4896
; TELEFAX: 515-248-4844
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 45 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
;
US-08-608-786-1
Query Match 100.0%; Score 259; DB 1; Length 45;
Best Local Similarity 100.0%; Pred. No. 4,8e-21;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 KSCCRSTLGRNCYNLCRVAGKLCAGVCRCKLTSSGKCTGFPK 45
Db 1 KSCCRSTLGRNCYNLCRVAGKLCAGVCRCKLTSSGKCTGFPK 45
RESULT 2
US-08-824-379-1
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Sequence 1, Application US/08824379
Patent No. 5885801
GENERAL INFORMATION:
APPLICANT: Rao, A. Gururaj
TITLE OF INVENTION: High Threonine Derivatives of
TITLE OF INVENTION: Alpha-Hordothionin
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pioneer Hi-Bred International, Inc.
STREET: 700 Capital Square, 400 Locust Street
CITY: Des Moines
STATE: Iowa
COUNTRY: United States of America
ZIP: 50309
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/824,379
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/459,180
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Simon, Soma G.
REGISTRATION NUMBER: 37,444
REFERENCE/DOCKET NUMBER: 354-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 515-248-4896
TELEFAX: 515-248-4844
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-824-379-1
Query Match 100.0%; Score 259; DB 1; Length 45;
Best Local Similarity 100.0%; Pred. No. 4,8e-21;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGPK 45
DB 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGPK 45
RESULT 3
US-08-824-382-1
Sequence 1, Application US/08824382
Patent No. 5885802
GENERAL INFORMATION:
APPLICANT: Rao, A. Gururaj
TITLE OF INVENTION: High Methionine Derivatives of
TITLE OF INVENTION: Alpha-Hordothionin
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pioneer Hi-Bred International, Inc.
STREET: 700 Capital Square, 400 Locust Street
CITY: Des Moines
STATE: Iowa
COUNTRY: United States of America
ZIP: 50309
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/824,382
FILING DATE:
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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/460,440
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Simon, Soma G.
REGISTRATION NUMBER: 37,444
REFERENCE/DOCKET NUMBER: 355-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 515-248-4896
TELEFAX: 515-248-4844
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-824-382-1
Query Match 100.0%; Score 259; DB 1; Length 45;
Best Local Similarity 100.0%; Pred. No. 4,8e-21;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGPK 45
DB 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGPK 45
RESULT 4
US-08-838-763-1
Sequence 1, Application US/08838763
Patent No. 5990389
GENERAL INFORMATION:
APPLICANT: Rao, A. Gururaj
TITLE OF INVENTION: High Lysine Derivatives of
TITLE OF INVENTION: Alpha-Hordothionin
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pioneer Hi-Bred International, Inc.
STREET: 7100 NW 62nd Avenue, P.O. Box 1000
CITY: Johnston
STATE: IA
COUNTRY: USA
ZIP: 50131
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,763
FILING DATE: 10-APR-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/003,885
FILING DATE: 13-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Michel, Mariamne H
REGISTRATION NUMBER: 35,286
REFERENCE/DOCKET NUMBER: 0233C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 515-334-4467
TELEFAX: 515-334-6883
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-838-763-1
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Query Match 100.0%; Score 259; DB 1; Length 45;
Best Local Similarity 100.0%; Pred. No. 4,8e-21;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVRAQKLCAGVCRCKLTSSGKCPYGP 45
DB 1 KSCCRSTLGRNCYNLCRVRAQKLCAGVCRCKLTSSGKCPYGP 45

RESULT 5

US-08-838-763-3
Sequence 3, Application US/08838763

Patent No. 5990389

GENERAL INFORMATION:

APPLICANT: Rao, A. Gururaj

APPLICANT: Beach, Larry

TITLE OF INVENTION: High Lysine Derivatives of

TITLE OF INVENTION: Alpha-Hordothionin

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pioneer Hi-Bred International, Inc.

STREET: 7100 NW 62nd Avenue, P.O. Box 1000

CITY: Johnston

STATE: IA

COUNTRY: USA

ZIP: 50131

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/838,763

FILING DATE: 10-APR-1997

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/003,885

FILING DATE: 13-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: Michel, Marianne H

REGISTRATION NUMBER: 35,286

REFERENCE/DOCKET NUMBER: 0233C3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 515-334-4467

TELEFAX: 515-334-6883

TELEX:

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 45 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-838-763-3

Query Match 95.4%; Score 247; DB 1; Length 45;
Best Local Similarity 91.1%; Pred. No. 9.1e-20;
Matches 41; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVRAQKLCAGVCRCKLTSSGKCPYGP 45
DB 1 KSCCRSTLGRNCYNLCRVRAQKLCAGVCRCKLTSSGKCPYGP 45

RESULT 6

US-08-838-763-2
Sequence 2, Application US/08838763

Patent No. 5990389

GENERAL INFORMATION:

APPLICANT: Rao, A. Gururaj

APPLICANT: Beach, Larry

TITLE OF INVENTION: High Lysine Derivatives of

TITLE OF INVENTION: Alpha-Hordothionin

NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:

ADDRESSEE: Pioneer Hi-Bred International, Inc.

STREET: 7100 NW 62nd Avenue, P.O. Box 1000

CITY: Johnston

STATE: IA

COUNTRY: USA

ZIP: 50131

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/838,763

FILING DATE: 10-APR-1997

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/003,885

FILING DATE: 13-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: Michel, Marianne H

REGISTRATION NUMBER: 35,286

REFERENCE/DOCKET NUMBER: 0233C3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 515-334-4467

TELEFAX: 515-334-6883

TELEX:

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 45 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-838-763-2

Query Match 94.2%; Score 244; DB 1; Length 45;
Best Local Similarity 88.9%; Pred. No. 1.9e-19;
Matches 40; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVRAQKLCAGVCRCKLTSSGKCPYGP 45
DB 1 KSCCRSTLGRNCYNLCRVRAQKLCAGVCRCKLTSSGKCPYGP 45

RESULT 7

US-08-838-763-7

Sequence 7, Application US/08838763

Patent No. 5990389

GENERAL INFORMATION:

APPLICANT: Rao, A. Gururaj

APPLICANT: Beach, Larry

TITLE OF INVENTION: High Lysine Derivatives of

TITLE OF INVENTION: Alpha-Hordothionin

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pioneer Hi-Bred International, Inc.

STREET: 7100 NW 62nd Avenue, P.O. Box 1000

CITY: Johnston

STATE: IA

COUNTRY: USA

ZIP: 50131

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/838,763

FILING DATE: 10-APR-1997

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/003,885
FILING DATE: 13-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Michel, Marianne H
REGISTRATION NUMBER: 35,286
REFERENCE/DOCKET NUMBER: 0233C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 515-334-4467
TELEFAX: 515-334-6883
TELEX:
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-838-763-7

Query Match 90.7%; Score 235; DB 1; Length 45;
Best Local Similarity 86.7%; Pred. No. 1.7e-18;
Matches 39; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 1 KSCCRSTLGRNCYNLCVRGAQKLCAGVCRCKLTSSGKCPGFPK 45
Db 1 KSCCRSTLGRNCYNLCVGAQKLCAGVCRCKLTSSGKCPGFPK 45

RESULT 8
US-08-608-786-2
Sequence 2, Application US/08608786
Patent No. 5703049
GENERAL INFORMATION:
APPLICANT: Rao, A. Gururaj
TITLE OF INVENTION: High Methionine Derivatives of
TITLE OF INVENTION: Alpha-Hordothionin for Pathogen-control
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESSES:
ADDRESSER: Pioneer Hi-Bred International, Inc.
STREET: 700 Capital Square, 400 Locust Street
CITY: Des Moines
STATE: Iowa
COUNTRY: United States of America
ZIP: 50309
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/608,786
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Simon, Soma G.
REGISTRATION NUMBER: 37,444
REFERENCE/DOCKET NUMBER: 456-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 515-248-4896
TELEFAX: 515-248-4844
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-608-786-2

Query Match 89.2%; Score 231; DB 1; Length 45;
Best Local Similarity 84.4%; Pred. No. 4.6e-18;
Matches 38; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 KSCCRSTLGRNCYNLCVRGAQKLCAGVCRCKLTSSGKCPGFPK 45
Db 1 KSCCRSTLGRNCYNLCVGAQKLCAGVCRCKLTSSGKCPGFPK 45

Db 1 KSCCRSTLGRNCYNLCVRGAQKLCAGVCRCKLTSSGKCPGFPK 45

RESULT 9
US-08-824-382-2
Sequence 2, Application US/08824382
Patent No. 585802
GENERAL INFORMATION:
APPLICANT: Rao, A. Gururaj
TITLE OF INVENTION: High Methionine Derivatives of
TITLE OF INVENTION: Alpha-Hordothionin
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESSES:
ADDRESSER: Pioneer Hi-Bred International, Inc.
STREET: 700 Capital Square, 400 Locust Street
CITY: Des Moines
STATE: Iowa
COUNTRY: United States of America
ZIP: 50309
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/824,382
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/460,440
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Simon, Soma G.
REGISTRATION NUMBER: 37,444
REFERENCE/DOCKET NUMBER: 355-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 515-248-4896
TELEFAX: 515-248-4844
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-824-382-2

Query Match 89.2%; Score 231; DB 1; Length 45;
Best Local Similarity 84.4%; Pred. No. 4.6e-18;
Matches 38; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1 KSCCRSTLGRNCYNLCVRGAQKLCAGVCRCKLTSSGKCPGFPK 45
Db 1 KSCCRSTLGRNCYNLCVRGAQKLCAGVCRCKLTSSGKCPGFPK 45

RESULT 10
US-08-838-763-8
Sequence 8, Application US/08838763
Patent No. 5990389
GENERAL INFORMATION:
APPLICANT: Rao, A. Gururaj
TITLE OF INVENTION: High Lysine Derivatives of
TITLE OF INVENTION: Alpha-Hordothionin
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSER: Pioneer Hi-Bred International, Inc.
STREET: 7100 NW 62nd Avenue, P.O. Box 1000
CITY: Johnston
STATE: IA
COUNTRY: USA
ZIP: 50131
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette

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COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,763
FILING DATE: 10-APR-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/003,885
FILING DATE: 13-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Michel, Marianne H
REGISTRATION NUMBER: 35,286
REFERENCE/DOCKET NUMBER: 0233C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 515-334-4467
TELEFAX: 515-334-6883
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-838-763-8

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Query Match      89.2%; Score 231; DB 1; Length 45;
Best Local Similarity 84.4%; Pred. No. 4,6e-18;
Matches 38; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

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QY      1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGTPPK 45
Db      1 KSCCKSTLGRKCYNLCVKGAKKLCAGVCRCKLTSSGKCPGTPPK 45

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```

RESULT 11
US-08-719-500-1
Sequence 1, Application US/08719500
Patent No. 6080913
GENERAL INFORMATION:
APPLICANT: Mitchell C. Tarczyhski and Rudolf Jung
TITLE OF INVENTION: A BINARY METHOD OF
TITLE OF INVENTION: INCREASING ACCUMULATION OF ESSENTIAL AMINO
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSES: Pioneer Hi-Bred International, Inc.
STREET: 7100 N.W. 62nd Avenue
STREET: Post Office Box 1000
CITY: Johnston
STATE: Iowa
COUNTRY: United States of America
ZIP: 50131
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch,
MEDIUM TYPE: 1.44 Mb storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS, Microsoft Windows
SOFTWARE: Microsoft Windows No. 6080913epad
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/719,500
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: SIMON, Soma G.
REGISTRATION NUMBER: 37,444
REFERENCE/DOCKET NUMBER: 0473 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (515) 248-4896
TELEFAX: (515) 334-6883
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

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```

LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
DESCRIPTION: hordochlonin derivative
US-08-719-500-1

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Query Match      89.2%; Score 231; DB 2; Length 45;
Best Local Similarity 84.4%; Pred. No. 4,6e-18;
Matches 38; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

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QY      1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGTPPK 45
Db      1 KSCCKSTLGRKCYNLCVKGAKKLCAGVCRCKLTSSGKCPGTPPK 45

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```

RESULT 12
US-08-838-763-4
Sequence 4, Application US/08838763
Patent No. 5990389
GENERAL INFORMATION:
APPLICANT: Rao, A. Gururaj
TITLE OF INVENTION: High Lysine Derivatives of
TITLE OF INVENTION: Alpha-Hordochlonin
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSES: Pioneer Hi-Bred International, Inc.
STREET: 7100 NW 62nd Avenue, P.O. Box 1000
CITY: Johnston
STATE: IA
COUNTRY: USA
ZIP: 50131
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,763
FILING DATE: 10-APR-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/003,885
FILING DATE: 13-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Michel, Marianne H
REGISTRATION NUMBER: 35,286
REFERENCE/DOCKET NUMBER: 0233C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 515-334-4467
TELEFAX: 515-334-6883
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-838-763-4

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Query Match      86.9%; Score 225; DB 1; Length 45;
Best Local Similarity 86.7%; Pred. No. 2e-17;
Matches 39; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

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QY      1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGTPPK 45
Db      1 KSCCKSTLGRKCYNLCVKGAKKLCAGVCRCKLTSSGKCPGTPPK 45

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RESULT 13

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US-07-973-852-1
Sequence 1, Application US/07973852
Patent No. 5376640
GENERAL INFORMATION:
APPLICANT: Miyazaki, Toshiyuki
APPLICANT: Mocol, Hirofumi
APPLICANT: Kodama, Toshiaki
APPLICANT: Maeda, Tatuuro
APPLICANT: Tsujita, Takahiro
APPLICANT: Okuda, Hiromichi
TITLE OF INVENTION: LIPOLYTIC ENZYME INHIBITORS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/973,852
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/631,321
FILING DATE: 20-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 332884/1989
FILING DATE: 25-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 75600/1990
FILING DATE: 27-MAR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 194782/1990
FILING DATE: 25-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5376640man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1327-014-0 DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 521-4500
TELEFAX: (703) 486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-973-852-1

Query Match 86.5%; Score 224; DB 1; Length 45;
Best Local Similarity 84.4%; Pred. No. 2.6e-17;
Matches 38; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPKGF 45
DB 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPKGF 45

RESULT 14
US-07-950-773-1
Sequence 1, Application US/07950773
Patent No. 5411956
GENERAL INFORMATION:
APPLICANT: Miyazaki, Toshiyuki
APPLICANT: Mocol, Hirofumi

APPLICANT: Kodama, Toshiaki
APPLICANT: Maeda, Tatuuro
APPLICANT: Tsujita, Takahiro
APPLICANT: Okuda, Hiromichi
TITLE OF INVENTION: LIPOLYTIC ENZYME INHIBITORS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER &
NEUSTADT, P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/950,773
FILING DATE: 19920924
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/631,321
FILING DATE: 20-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5411956man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1327-003-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 521-4500
TELEFAX: (703) 486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-950-773-1

Query Match 86.5%; Score 224; DB 1; Length 45;
Best Local Similarity 84.4%; Pred. No. 2.6e-17;
Matches 38; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPKGF 45
DB 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPKGF 45

RESULT 15
US-07-973-852-2
Sequence 2, Application US/07973852
Patent No. 5376640
GENERAL INFORMATION:
APPLICANT: Miyazaki, Toshiyuki
APPLICANT: Mocol, Hirofumi
APPLICANT: Kodama, Toshiaki
APPLICANT: Maeda, Tatuuro
APPLICANT: Tsujita, Takahiro
APPLICANT: Okuda, Hiromichi
TITLE OF INVENTION: LIPOLYTIC ENZYME INHIBITORS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/973,852
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/631,321
FILING DATE: 20-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 332884/1989
FILING DATE: 25-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 75600/1990
FILING DATE: 27-MAR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 194782/1990
FILING DATE: 25-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: O'Brien, No. 5376640man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1327-014-0 DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
TELEFAX: (703)486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-973-852-2

Query Match 82.6%; Score 214; DB 1; Length 45;
Best Local Similarity 82.2%; Pred. No. 3e-16; Indels 0; Gaps 0;
Matches 37; Conservative 2; Mismatches 6;
QY 1 KSCCRSTLGRNVCYNLCVRGAQKLCAGVCRCKLTSSGKCPPTGPPK 45
DB 1 KSCCRITLGRNVCYNLCVRGAQKLCSTVCRCKLTSGLSGCPKGF 45

Search completed: January 13, 2006, 15:02:44
Job time : 46 secs

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OM protein - protein search, using sw model

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Run on:      January 13, 2006, 14:55:45 ; Search time 64 Seconds
              (without alignments)
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Title: US-10-010-709-1

Sequence: 1 KSCCRSTLGRNCYNLCRVG.....AGVCRCKLTSSGKCPTGFPK 43

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 18675659

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Minimum DB seq length: 0
Maximum DB seq length: 20000000000
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /cgn2_6/ptcdatara/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptcdatara/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptcdatara/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptcdatara/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptcdatara/1/pubpaa/US11_PUBCOMB.pep.*
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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	259	100.0	54	3	US-09-864-169-8	Sequence 8, Appl1
2	259	100.0	88	3	US-09-864-169-11	Sequence 11, Appl1
3	259	100.0	124	3	US-09-864-169-2	Sequence 2, Appl1
4	259	100.0	543	3	US-09-864-169-5	Sequence 5, Appl1
5	166.5	64.3	46	3	US-09-030-619-230	Sequence 230, Appl1
6	166.5	64.3	46	3	US-09-912-609-118	Sequence 118, Appl1
7	166.5	64.3	46	4	US-10-277-232-230	Sequence 230, Appl1
8	166.5	64.3	46	4	US-10-277-233-230	Sequence 230, Appl1
9	153	59.1	45	5	US-10-838-289-754	Sequence 754, Appl1
10	93	35.9	135	4	US-10-437-963-198644	Sequence 198644, Appl1
11	84	32.4	112	4	US-10-437-963-183612	Sequence 183612, Appl1
12	78	30.1	3401	4	US-10-184-634-411	Sequence 411, Appl1
13	78	30.1	3401	4	US-10-184-634-411	Sequence 411, Appl1
14	76	29.3	1574	3	US-09-825-751A-77	Sequence 77, Appl1
15	76	29.3	1574	5	US-10-851-438-77	Sequence 77, Appl1
16	75.5	29.2	3781	4	US-10-184-634-453	Sequence 453, Appl1
17	75.5	29.2	3781	4	US-10-184-634-453	Sequence 453, Appl1
18	75	29.0	2768	4	US-10-063-665-15	Sequence 15, Appl1
19	73.5	28.4	1320	4	US-10-063-665-155	Sequence 155, Appl1
20	73.5	28.4	4842	4	US-10-184-664-289	Sequence 289, Appl1
21	73.5	28.4	4842	4	US-10-184-634-289	Sequence 289, Appl1
22	73	28.2	1021	4	US-10-184-664-373	Sequence 373, Appl1
23	73	28.2	1021	4	US-10-184-634-373	Sequence 373, Appl1
24	73	28.2	1200	3	US-09-826-508-3	Sequence 3, Appl1
25	72.5	28.0	180	4	US-10-695-584A-286	Sequence 286, Appl1
26	71.5	27.6	2148	4	US-10-184-664-507	Sequence 507, Appl1
27	71.5	27.6	2148	4	US-10-184-634-507	Sequence 507, Appl1

45	70.5	27.2	1766	4	US-10-037-182-6	Sequence 6, April
44	70.5	27.2	1786	3	US-09-938-275-6	Sequence 6, April
43	70.5	27.2	1786	3	US-09-827-676-113	Sequence 113, April
42	70.5	27.2	1765	4	US-10-037-182-8	Sequence 8, April
41	70.5	27.2	1136	4	US-10-841-139-4	Sequence 4, April
40	70.5	27.2	1136	4	US-10-443-349-4	Sequence 4, April
39	71	27.4	1664	4	US-10-140-864-169	Sequence 169, April
38	71	27.4	1664	4	US-10-140-805-169	Sequence 169, April
37	71	27.4	1664	4	US-10-141-759-169	Sequence 169, April
36	71	27.4	1664	4	US-10-140-923-169	Sequence 169, April
35	71	27.4	1664	4	US-10-141-756-169	Sequence 169, April
34	71	27.4	1664	4	US-10-137-871-169	Sequence 169, April
33	71	27.4	1664	4	US-10-158-790-169	Sequence 169, April
32	71	27.4	1664	4	US-10-142-985-169	Sequence 169, April
31	71	27.4	1664	4	US-10-141-761-169	Sequence 169, April
30	71	27.4	1664	4	US-10-140-472-169	Sequence 169, April
29	71	27.4	1664	4	US-10-146-731-169	Sequence 169, April
28	71	27.4	1664	4	US-10-123-155-169	Sequence 169, April
27	71	27.4	1664	4	US-10-142-731-169	Sequence 169, April

ALIGNMENTS

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RESULT 1
US-09-864-169-8
; Sequence 8, Application US/09864169
; Publication No. US20030228654A1
; GENERAL INFORMATION:
; APPLICANT: IMAEDA, TAKAO
; APPLICANT: YAMADA, YUKIO
; APPLICANT: HIRAI, MASANA
; APPLICANT: SHIMAMURA, TAKASHI
; APPLICANT: KODA, KATSUNORI
; APPLICANT: MURAMOTO, NOBUHIKO
; TITLE OF INVENTION: METHOD FOR PRODUCING ANTIMICROBIAL PROTEIN AND FUSION PROTEIN
; FILE REFERENCE: 208377USO
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP2000-161090
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-09-864-169-8

Query Match      100.0%; Score 259; DB 3; Length 54;
Best Local Similarity 100.0%; Pred. No. 2.9e-20;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KSCCRSTIGRNCYNLCRVGAOKLCAGVCRCKLTSSGKCPGSPFK 45
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DB      10 KSCCRSTIGRNCYNLCRVGAOKLCAGVCRCKLTSSGKCPGSPFK 54

RESULT 2
US-09-864-169-11
; Sequence 11, Application US/09864169
; Publication No. US20030228654A1
; GENERAL INFORMATION:
; APPLICANT: IMAEDA, TAKAO
; APPLICANT: YAMADA, YUKIO
; APPLICANT: HIRAI, MASANA
; APPLICANT: SHIMAMURA, TAKASHI
; APPLICANT: KODA, KATSUNORI
; APPLICANT: MURAMOTO, NOBUHIKO
; TITLE OF INVENTION: METHOD FOR PRODUCING ANTIMICROBIAL PROTEIN AND FUSION PROTEIN
; FILE REFERENCE: 208377USO
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP2000-161090
; PRIOR FILING DATE: 2000-05-26

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; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-09-864-169-5
;
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
; LENGTH: 88
; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-09-864-169-11

Query Match          100.0%; Score 259; DB 3; Length 88;
Best Local Similarity 100.0%; Pred. No. 4.3e-20;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGFPK 45
DB 9 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGFPK 53

RESULT 3
US-09-864-169-2
; Sequence 2, Application US/09864169
; Publication No. US20030228654A1
; GENERAL INFORMATION:
; APPLICANT: IMADA, TAKAO
; APPLICANT: YAMADA, YUKIO
; APPLICANT: HIRAI, MASANA
; APPLICANT: SHIMAMURA, TAKASHI
; APPLICANT: KOHDA, KATSUNORI
; APPLICANT: MURAMOTO, NOBUHIKO
; TITLE OF INVENTION: METHOD FOR PRODUCING ANTIMICROBIAL PROTEIN AND FUSION PROTEIN
; FILE REFERENCE: 208377USO
; CURRENT APPLICATION NUMBER: US/09/864,169
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP2000-161090
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-09-864-169-2

Query Match          100.0%; Score 259; DB 3; Length 124;
Best Local Similarity 100.0%; Pred. No. 5.7e-20;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGFPK 45
DB 10 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGFPK 54

RESULT 4
US-09-864-169-5
; Sequence 5, Application US/09864169
; Publication No. US20030228654A1
; GENERAL INFORMATION:
; APPLICANT: IMADA, TAKAO
; APPLICANT: YAMADA, YUKIO
; APPLICANT: HIRAI, MASANA
; APPLICANT: SHIMAMURA, TAKASHI
; APPLICANT: KOHDA, KATSUNORI
; APPLICANT: MORAMOTO, NOBUHIKO
; TITLE OF INVENTION: METHOD FOR PRODUCING ANTIMICROBIAL PROTEIN AND FUSION PROTEIN
; FILE REFERENCE: 208377USO
; CURRENT APPLICATION NUMBER: US/09/864,169
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP2000-161090
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 543
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; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-09-864-169-5
;
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
; LENGTH: 88
; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-09-864-169-11

Query Match          100.0%; Score 259; DB 3; Length 88;
Best Local Similarity 100.0%; Pred. No. 4.3e-20;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGFPK 45
DB 9 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGFPK 53

RESULT 3
US-09-864-169-2
; Sequence 2, Application US/09864169
; Publication No. US20030228654A1
; GENERAL INFORMATION:
; APPLICANT: IMADA, TAKAO
; APPLICANT: YAMADA, YUKIO
; APPLICANT: HIRAI, MASANA
; APPLICANT: SHIMAMURA, TAKASHI
; APPLICANT: KOHDA, KATSUNORI
; APPLICANT: MURAMOTO, NOBUHIKO
; TITLE OF INVENTION: METHOD FOR PRODUCING ANTIMICROBIAL PROTEIN AND FUSION PROTEIN
; FILE REFERENCE: 208377USO
; CURRENT APPLICATION NUMBER: US/09/864,169
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP2000-161090
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-09-864-169-2

Query Match          100.0%; Score 259; DB 3; Length 124;
Best Local Similarity 100.0%; Pred. No. 5.7e-20;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGFPK 45
DB 10 KSCCRSTLGRNCYNLCRVGAQKLCAGVCRCKLTSSGKCPGFPK 54

RESULT 4
US-09-864-169-5
; Sequence 5, Application US/09864169
; Publication No. US20030228654A1
; GENERAL INFORMATION:
; APPLICANT: IMADA, TAKAO
; APPLICANT: YAMADA, YUKIO
; APPLICANT: HIRAI, MASANA
; APPLICANT: SHIMAMURA, TAKASHI
; APPLICANT: KOHDA, KATSUNORI
; APPLICANT: MORAMOTO, NOBUHIKO
; TITLE OF INVENTION: METHOD FOR PRODUCING ANTIMICROBIAL PROTEIN AND FUSION PROTEIN
; FILE REFERENCE: 208377USO
; CURRENT APPLICATION NUMBER: US/09/864,169
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP2000-161090
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 543
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US-09-912-609-118

Query Match 64.3%; Score 166.5; DB 3; Length 46;
Best Local Similarity 58.7%; Pred. No. 1.6e-10;
Matches 27; Conservative 6; Mismatches 12; Indels 1; Gaps 1;

QY 1 KSCCRSTLGRNCYNLCRVGAOK-LCAGVCRCKLTSSGKCPGPPK 45
DB 1 KSCCKDTLARNCTNCTCFAGGSRPVCAGACRCKITISGPKCPSDYPK 46

RESULT 7

US-10-277-232-230
Sequence 230, Application US/10277232
Publication No. US20030211537A1
GENERAL INFORMATION:
APPLICANT: Krieger, Timothy J.
APPLICANT: Taylor, Robert
APPLICANT: Biele, Douglas
APPLICANT: Fraser, Janet R.
APPLICANT: West, Michael H.P.
APPLICANT: McNicol, Patricia J.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
TITLE OF INVENTION: INFECTIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
FILE REFERENCE: 660081.406C1
CURRENT APPLICATION NUMBER: US/10/277,232
CURRENT FILING DATE: 2002-11-27
NUMBER OF SEQ ID NOS: 232
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 230
LENGTH: 46
TYPE: PRT
ORGANISM: Hordeum vulgare
US-10-277-232-230

Query Match 64.3%; Score 166.5; DB 4; Length 46;
Best Local Similarity 58.7%; Pred. No. 1.6e-10;
Matches 27; Conservative 6; Mismatches 12; Indels 1; Gaps 1;

QY 1 KSCCRSTLGRNCYNLCRVGAOK-LCAGVCRCKLTSSGKCPGPPK 45
DB 1 KSCCKDTLARNCTNCTCFAGGSRPVCAGACRCKITISGPKCPSDYPK 46

RESULT 8

US-10-277-233-230
Sequence 230, Application US/10277233
Publication No. US20030232750A1
GENERAL INFORMATION:
APPLICANT: Krieger, Timothy J.
APPLICANT: Taylor, Robert
APPLICANT: Biele, Douglas
APPLICANT: Fraser, Janet R.
APPLICANT: West, Michael H.P.
APPLICANT: McNicol, Patricia J.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
TITLE OF INVENTION: INFECTIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
FILE REFERENCE: 660081.406C1
CURRENT APPLICATION NUMBER: US/10/277,233
CURRENT FILING DATE: 2002-10-18
NUMBER OF SEQ ID NOS: 232
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 230
LENGTH: 46
TYPE: PRT
ORGANISM: Hordeum vulgare
US-10-277-233-230

Query Match 64.3%; Score 166.5; DB 4; Length 46;
Best Local Similarity 58.7%; Pred. No. 1.6e-10;
Matches 27; Conservative 6; Mismatches 12; Indels 1; Gaps 1;

QY 1 KSCCRSTLGRNCYNLCRVGAOK-LCAGVCRCKLTSSGKCPGPPK 45
DB 1 KSCCKDTLARNCTNCTCFAGGSRPVCAGACRCKITISGPKCPSDYPK 46

RESULT 9

US-10-838-289-754
Sequence 754, Application US/10838289
Publication No. US20050058603A1
GENERAL INFORMATION:
APPLICANT: Gao, Jiming
APPLICANT: Ai, Hua
TITLE OF INVENTION: DRUG DELIVERY SYSTEM BASED ON POLYMER
TITLE OF INVENTION: NANOSHIELDS
FILE REFERENCE: CWRU-P01-040
CURRENT APPLICATION NUMBER: US/10/838,289
CURRENT FILING DATE: 2004-05-03
PRIOR APPLICATION NUMBER: US 60/502,429
PRIOR FILING DATE: 2003-09-12
PRIOR APPLICATION NUMBER: US 60/467,389
NUMBER OF SEQ ID NOS: 756
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 754
LENGTH: 45
TYPE: PRT
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: Tumor targeting peptide
US-10-838-289-754

Query Match 59.1%; Score 153; DB 5; Length 45;
Best Local Similarity 56.5%; Pred. No. 4.3e-09;
Matches 26; Conservative 6; Mismatches 12; Indels 2; Gaps 2;

QY 1 KSCCRSTLGRNCYNLCRVGAOK-LCAGVCRCKLTSSGKCPGPPK 45
DB 1 KSCCKDTLARNCTNCTCFAGGSRPVCAGACRCKITIGP-KCPSDYPK 45

RESULT 10

US-10-437-963-198644
Sequence 198644, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 198644
LENGTH: 135
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_94284C.1.pep
US-10-437-963-198644

Query Match 35.9%; Score 93; DB 4; Length 135;
Best Local Similarity 45.0%; Pred. No. 0.025;
Matches 18; Conservative 6; Mismatches 14; Indels 2; Gaps 2;

QY 1 KSCCRSTLGRNCYNLCR-VRGAOKLCAGVCRCKLTSSGK 39

Db 28 KSCCPTTARNIYNACRPAHGTRECRSKLSCGKIV-DSKC 66

RESULT 11

US-10-437-963-183612
; Sequence 183612, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 183612
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_80687C.1.pep
US-10-437-963-183612

Query Match 32.4%; Score 84; DB 4; Length 112;
Best Local Similarity 47.5%; Pred. No. 0.19;
Matches 19; Conservative 4; Mismatches 15; Indels 2; Gaps 2;

QY 1 KSCCSTLGRNCYNLCR-VRGAQKICAGVCRCKLTSSGKCTG 39
Db 28 KSCCPTTARNIYNACRPAHGTRECRSKLSCGKIV-DSKC 66

RESULT 12

US-10-184-644-411
; Sequence 411, Application US/10184644
; Publication No. US20030044930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 411
; LENGTH: 3401
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-644-411

Query Match 30.1%; Score 78; DB 4; Length 3401;
Best Local Similarity 35.0%; Pred. No. 14;
Matches 14; Conservative 1; Mismatches 25; Indels 0; Gaps 0;

QY 3 CCRSTLGRNCYNLCRVGAQKICAGVCRCKLTSSGKCTG 42
Db 2969 CCACCTGTCTTCATGAGACGACACCTTAGAGGCTGG 3008

RESULT 13

US-10-184-634-411
; Sequence 411, Application US/10184634
; Publication No. US2003006684A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 411
; LENGTH: 3401
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-411

Query Match 30.1%; Score 78; DB 4; Length 3401;
Best Local Similarity 35.0%; Pred. No. 14;
Matches 14; Conservative 1; Mismatches 25; Indels 0; Gaps 0;

QY 3 CCRSTLGRNCYNLCRVGAQKICAGVCRCKLTSSGKCTG 42
Db 2969 CCACCTGTCTTCATGAGACGACACCTTAGAGGCTGG 3008

RESULT 14

US-09-825-751A-77
; Sequence 77, Application US/09825751A
; Publication No. US20030065140A1
; GENERAL INFORMATION:
; APPLICANT: Curagen Corporation
; APPLICANT: Vermet, Corine A.M.
; APPLICANT: Fernandes, Elma R.
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Quinn, Kerry E.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Herrman, John L.
; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-750
; CURRENT APPLICATION NUMBER: US/09/825,751A
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/194,314
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: 60/225,693
; PRIOR FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 77
; LENGTH: 1574
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-825-751A-77

Query Match 29.3%; Score 76; DB 3; Length 1574;

Best Local Similarity 32.0%; Pred. No. 12;
Matches 16; Conservative 9; Mismatches 17; Indels 8; Gaps 2;

QY 1 KSCCRSTLGRNCCYNLCRVGAQKLC--AGVCRCKLTSSG----KCPTG 42
Db 1207 QACQPGTFPGDCHEHLCQCPGFTWACDPASGVCTCAAGYHGTGCLQRCPSG 1256

RESULT 15

US-10-851-438-77
; Sequence 77, Application US/10851438
; Publication No. US20050153305A1
; GENERAL INFORMATION:
; APPLICANT: Curagen Corporation
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Fernandes, Elma R.
; APPLICANT: Taupier, Raymond J
; APPLICANT: Quinn, Kerry E
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Rastelli, Luca
; APPLICANT: Herzman, John L
; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-750
; CURRENT APPLICATION NUMBER: US/10/851,438
; CURRENT FILING DATE: 2004-05-21
; PRIOR APPLICATION NUMBER: US/09/825,751
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/194,314
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: 60/225,693
; PRIOR FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 77
; LENGTH: 1574
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-851-438-77

Query Match 29.3%; Score 76; DB 5; Length 1574;
Best Local Similarity 32.0%; Pred. No. 12;
Matches 16; Conservative 9; Mismatches 17; Indels 8; Gaps 2;

QY 1 KSCCRSTLGRNCCYNLCRVGAQKLC--AGVCRCKLTSSG----KCPTG 42
Db 1207 QACQPGTFPGDCHEHLCQCPGFTWACDPASGVCTCAAGYHGTGCLQRCPSG 1256

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Job time : 65 secs

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OM protein - protein search, using sw model

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Title: US-10-010-709-1

Perfect score: 259
Sequence: 1 KSCCRSTLGRNCYNLCRVG.....AGVCRCKLTSSGKCPPTGPK 45

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Gapop 10.0 , Gapext 0.5

Searched: 67062 seqs, 9454214 residues

Total number of hits satisfying chosen parameters: 67062

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_New.*
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6: /cgn2_6/ptodata/2/pubppa/US10_NEW_PUB.pep.*
7: /cgn2_6/ptodata/2/pubppa/US11_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubppa/US60_NEW_PUB.pep.*

* Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	166.5	64.3	46	7 US-11-068-783-111	Sequence 111, App
2	76	29.3	1574	6 US-10-055-877-211	Sequence 211, App
3	69.5	26.8	1138	6 US-10-453-372-880	Sequence 880, App
4	69.5	26.8	1398	6 US-10-055-877-46	Sequence 46, App
5	69.5	26.8	1398	6 US-10-453-372-872	Sequence 872, App
6	69.5	26.8	1403	6 US-10-055-877-52	Sequence 52, App
7	69.5	26.8	1403	6 US-10-453-372-878	Sequence 878, App
8	69.5	26.8	1404	6 US-10-055-877-44	Sequence 44, App
9	69.5	26.8	1404	6 US-10-453-372-870	Sequence 870, App
10	69.5	26.8	1450	6 US-10-055-877-48	Sequence 48, App
11	69.5	26.8	1450	6 US-10-453-372-874	Sequence 874, App
12	69.5	26.8	1547	6 US-10-453-372-886	Sequence 886, App
13	69.5	26.8	1577	6 US-10-055-877-54	Sequence 54, App
14	69.5	26.8	1577	6 US-10-453-372-882	Sequence 882, App
15	69.5	26.8	1577	6 US-10-453-372-884	Sequence 884, App
16	69.5	26.8	1594	6 US-10-453-372-860	Sequence 860, App
17	69.5	26.8	1620	6 US-10-453-372-868	Sequence 868, App
18	69.5	26.8	1653	6 US-10-453-372-866	Sequence 866, App
19	69.5	26.8	1664	6 US-10-055-877-212	Sequence 212, App
20	66.5	25.7	1418	6 US-10-453-372-864	Sequence 864, App
21	66.5	25.7	1620	6 US-10-055-877-213	Sequence 213, App
22	65	25.1	3500	7 US-11-085-775-2	Sequence 2, App
23	64	24.7	715	6 US-10-131-826A-116	Sequence 116, App
24	63.5	24.5	969	6 US-10-055-877-214	Sequence 214, App
25	62.5	24.1	166	7 US-11-094-519A-47	Sequence 47, App

26	62.5	24.1	317	7 US-11-094-519A-38	Sequence 38, App
27	62.5	24.1	322	7 US-11-067-121-15	Sequence 15, App
28	62.5	24.1	336	6 US-10-478-345-4	Sequence 4, App
29	62.5	24.1	349	6 US-11-067-121-14	Sequence 14, App
30	62.5	24.1	397	6 US-10-821-234-1020	Sequence 1020, App
31	62	23.9	321	6 US-10-478-345-8	Sequence 8, App
32	61	23.6	176	7 US-11-128-059-72	Sequence 72, App
33	61	23.6	232	7 US-11-128-059-66	Sequence 66, App
34	61	23.6	421	6 US-10-453-372-220	Sequence 220, App
35	61	23.6	533	6 US-10-453-372-230	Sequence 230, App
36	61	23.6	533	6 US-10-453-372-232	Sequence 232, App
37	61	23.6	552	6 US-10-453-372-234	Sequence 234, App
38	61	23.6	552	6 US-10-453-372-238	Sequence 238, App
39	61	23.6	552	6 US-10-453-372-240	Sequence 240, App
40	61	23.6	552	6 US-10-453-372-242	Sequence 242, App
41	61	23.6	552	6 US-10-453-372-244	Sequence 244, App
42	61	23.6	552	6 US-10-453-372-246	Sequence 246, App
43	61	23.6	552	6 US-10-453-372-248	Sequence 248, App
44	61	23.6	552	6 US-10-453-372-250	Sequence 250, App
45	61	23.6	556	6 US-10-453-372-210	Sequence 210, App

ALIGNMENTS

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RESULT 1
US-11-068-783-111
; Sequence 111, Application US/11068783
; Publication No. US20050260715A1
; GENERAL INFORMATION:
; APPLICANT: Burian, Jan
; TITLE OF INVENTION: EFFICIENT METHODS FOR PRODUCING
; TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDES IN HOST CELLS
; FILE REFERENCE: 660081.411
; CURRENT APPLICATION NUMBER: US/11/068,783
; PRIOR FILING DATE: 2005-02-28
; PRIOR APPLICATION NUMBER: US/09/444,281
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 111
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Hordeum vulgare
US-11-068-783-111

Query Match      64.3% Score 166.5; DB 7; Length 46;
Best Local Similarity 58.7%; Pred. No. 9.4e-14;
Matches 27; Conservative 6; Mismatches 12; Indels 1; Gaps 1;

Cy      1 KSCCRSTLGRNCYNLCRVGAK-LQAGVCRCKLTSSGKCPPTGPK 45
Db      1 KSCCKOTLARNCYNCTCRFAGGSRPVCAAGACRCKLTISGKCPSPDYK 46

RESULT 2
US-10-055-877-211
; Sequence 211, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
; APPLICANT: Padigaru, Murallidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Wei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Rattelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
```

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; APPLICANT: Zethusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patutajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eileen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shinkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ferenc
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 211
; LENGTH: 1574
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-055-877-211

Query Match          29.3%; Score 76; DB 6; Length 1574;
Best Local Similarity 32.0%; Pred. No. 0.07;
Matches 16; Conservative 9; Mismatches 17; Indels 8; Gaps 2;

QY      1 KSCGSLGRNCYNLCRVAGAKLC--AGVCRCKLTSSG-----KCPG 42
Db      1207 QACQPTFGKDCENLCQCPGETWACDPASGVCCTCAAGYHGTGCTGQCPG 1256

RESULT 3
US-10-453-372-880
; Sequence 880, Application US/10453372
; Publication No. US2006000333A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
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; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CursSeqList version 0.1
; SEQ ID NO 880
; LENGTH: 1198
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-880

Query Match          26.8%; Score 69.5; DB 6; Length 1198;
Best Local Similarity 37.5%; Pred. No. 0.33;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;

QY      1 KSCGSLGRNCYNLCRV--GAQKLCAGVCRCKLTSSG-KCPGFPK 45
Db      549 ESCPDTFGKNCSPSCSCQNGTCDSDVTGAKRCRPGVGTNCBDCPK 596

RESULT 4
US-10-055-877-46
; Sequence 46, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchervnev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zethusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Burgess, Catherine
; APPLICANT: Patutajan, Meera
; APPLICANT: Eileen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shinkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ferenc
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
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/ ORGANISM: Homo sapiens
US-10-453-372-872

Query Match      26.8%; Score 69.5; DB 6; Length 1398;
Best Local Similarity 37.5%; Pred. No. 0.37;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2.

Oy      1  KSCRSRLTGRNCVYLGRVR--GAQKTLGAGVRCRLTSSG-KCPTGFPK 45
Db      549  ESCPPTFGKNCFSFCSCQNGSTCDSTYTGACRCFPGVSGTNCBDCGPK 556

RESULT 6
US-10-055-877-52
; Sequence 52, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: Decristofano, Marc
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchermey, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Rameesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Paturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eileen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shmukets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Verneet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Caeman, Stacie
; APPLICANT: Boldog, Ference
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1

```

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; SEQ ID NO 52
; LENGTH: 1403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-877-52
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Query Match          26.8%; Score 69.5; DB 6; Length 1403;
Best Local Similarity 37.5%; Pred. No. 0.37; Indels 24; Gaps 3;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;
```

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Oy      1 KSCCRSTLGRNCYNLCRV--GAQKLCAGVCRCKLTSSG-KCPTGFPPK 45
Db      555 ESCPPTFGKNCFSKSCQNGGTCDSTVGACRCRPGVSGTNCEDGCPK 602
```

```

RESULT 7
US-10-453-372-878
; Sequence 878, Application US/10453372
; Publication No. US2006000323A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
```

```

; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
```

```

; CURRENT APPLICATION NUMBER: US/10/453,372
```

```

; PRIOR APPLICATION NUMBER: 09/789390
```

```

; PRIOR FILING DATE: 2001-02-23
```

```

; PRIOR APPLICATION NUMBER: 60/185967
```

```

; PRIOR FILING DATE: 2000-03-01
```

```

; PRIOR APPLICATION NUMBER: 09/823187
```

```

; PRIOR FILING DATE: 2001-03-29
```

```

; PRIOR APPLICATION NUMBER: 60/195792
```

```

; PRIOR FILING DATE: 2000-03-10
```

```

; PRIOR APPLICATION NUMBER: 09/839446
```

```

; PRIOR FILING DATE: 2001-03-19
```

```

; PRIOR APPLICATION NUMBER: 60/199476
```

```

; PRIOR FILING DATE: 2000-03-25
```

```

; PRIOR APPLICATION NUMBER: 09/863776
```

```

; PRIOR FILING DATE: 2001-05-23
```

```

; PRIOR APPLICATION NUMBER: 60/208263
```

```

; PRIOR FILING DATE: 2000-05-31
```

```

; PRIOR APPLICATION NUMBER: 09/939398
```

```

; PRIOR FILING DATE: 2001-08-24
```

```

; PRIOR APPLICATION NUMBER: 60/227800
```

```

; PRIOR FILING DATE: 2000-08-25
```

```

; Remaining Prior Application data removed - See File Wrapper or PALM.
```

```

; NUMBER OF SEQ ID NOS: 1609
```

```

; SOFTWARE: Cureseqlist version 0.1
```

```

; SEQ ID NO 878
```

```

; LENGTH: 1403
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```

; TYPE: PRT
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```

; ORGANISM: Homo sapiens
US-10-453-372-878
```

```

Query Match          26.8%; Score 69.5; DB 6; Length 1403;
Best Local Similarity 37.5%; Pred. No. 0.37; Indels 24; Gaps 3;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;
```

```

Oy      1 KSCCRSTLGRNCYNLCRV--GAQKLCAGVCRCKLTSSG-KCPTGFPPK 45
Db      555 ESCPPTFGKNCFSKSCQNGGTCDSTVGACRCRPGVSGTNCEDGCPK 602
```

```

RESULT 8
US-10-055-877-44
; Sequence 44, Application US/10055877
; Publication No. US20050288241A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
```

```

; APPLICANT: Padigaru, Murajidhara
```

```

; APPLICANT: Miller, Charles
```

```

; APPLICANT: Tchervet, Vellisar
```

```

; APPLICANT: Zhong, Mei
```

```

; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Paturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eileen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shinkels, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vermet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Caeman, Stacie
```

```

; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
```

```

; CURRENT APPLICATION NUMBER: US/10/055,877
```

```

; CURRENT FILING DATE: 2002-01-22
```

```

; PRIOR APPLICATION NUMBER: 60/262,892
```

```

; PRIOR FILING DATE: 2001-01-19
```

```

; PRIOR APPLICATION NUMBER: 60/263,598
```

```

; PRIOR FILING DATE: 2001-01-23
```

```

; PRIOR APPLICATION NUMBER: 60/263,799
```

```

; PRIOR FILING DATE: 2001-01-24
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```

; PRIOR APPLICATION NUMBER: 60/264,117
```

```

; PRIOR FILING DATE: 2001-01-25
```

```

; PRIOR APPLICATION NUMBER: 60/264,139
```

```

; PRIOR FILING DATE: 2001-01-25
```

```

; PRIOR APPLICATION NUMBER: 60/264,478
```

```

; PRIOR FILING DATE: 2001-01-26
```

```

; PRIOR APPLICATION NUMBER: 60/263,351
```

```

; PRIOR FILING DATE: 2001-01-30
```

```

; PRIOR APPLICATION NUMBER: 60/272,870
```

```

; PRIOR FILING DATE: 2001-03-02
```

```

; PRIOR APPLICATION NUMBER: 60/275,990
```

```

; PRIOR FILING DATE: 2001-03-14
```

```

; PRIOR APPLICATION NUMBER: 60/275,927
```

```

; Remaining Prior Application data removed - See File Wrapper or PALM.
```

```

; NUMBER OF SEQ ID NOS: 512
```

```

; SOFTWARE: PatentIn Ver. 2.1
```

```

; SEQ ID NO 44
```

```

; LENGTH: 1404
```

```

; TYPE: PRT
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```

; ORGANISM: Homo sapiens
US-10-055-877-44
```

```

Query Match          26.8%; Score 69.5; DB 6; Length 1404;
Best Local Similarity 37.5%; Pred. No. 0.37; Indels 24; Gaps 3;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;
```

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Oy      1 KSCCRSTLGRNCYNLCRV--GAQKLCAGVCRCKLTSSG-KCPTGFPPK 45
Db      555 ESCPPTFGKNCFSKSCQNGGTCDSTVGACRCRPGVSGTNCEDGCPK 602
```

```

RESULT 9
US-10-453-372-870
; Sequence 870, Application US/10453372
; Publication No. US2006000323A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
```

```

; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
```

```
FILE REFERENCE: 21402-589 A
CURRENT APPLICATION NUMBER: US/10/453,372
CURRENT FILING DATE: 2003-06-03
PRIOR APPLICATION NUMBER: 09/789390
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/185967
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: 09/823187
PRIOR FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/195792
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 09/839446
PRIOR FILING DATE: 2001-03-19
PRIOR APPLICATION NUMBER: 60/199476
PRIOR FILING DATE: 2000-03-25
PRIOR APPLICATION NUMBER: 09/863776
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: 60/208263
PRIOR FILING DATE: 2000-05-31
PRIOR APPLICATION NUMBER: 09/939398
PRIOR FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: 60/227800
PRIOR FILING DATE: 2000-08-25
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1609
SOFTWARE: Curaseqlist version 0.1
SEQ ID NO 870
LENGTH: 1404
TYPE: PRT
ORGANISM: Homo sapiens
US-10-453-372-870
```

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Query Match      26.8% Score 69.5; DB 6; Length 1404;
Best Local Similarity 37.5%; Pred. No. 0.37;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;
```

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Qy 1 KSCCSTLGRNCYNLCRYV--GAQKLCAGVCRCKLTSSG-KCPTGFPK 45
Db 555 BSCPPDTFGKNCSPSCCONGTCDSTVAGACRCPGVSTNCEDGCPK 602
```

```
RESULT 10
US-10-055-877-48
```

```
; Sequence 48, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zeinhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Wezev, Peter
; APPLICANT: Patuturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eissen, Andrew
; APPLICANT: Molenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shimkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
```

```
APPLICANT: Casman, Stacie
APPLICANT: Boldog, Ferenc
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
FILE REFERENCE: 21402-251
CURRENT APPLICATION NUMBER: US/10/055,877
CURRENT FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: 60/262,892
PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: 60/263,598
PRIOR FILING DATE: 2001-01-23
PRIOR APPLICATION NUMBER: 60/263,799
PRIOR FILING DATE: 2001-01-24
PRIOR APPLICATION NUMBER: 60/264,117
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/264,139
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/264,478
PRIOR FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/263,351
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: 60/272,870
PRIOR FILING DATE: 2001-03-02
PRIOR APPLICATION NUMBER: 60/275,990
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/275,927
PRIOR FILING DATE: 2001-03-14
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 512
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 48
LENGTH: 1450
TYPE: PRT
ORGANISM: Homo sapiens
US-10-055-877-48
```

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Query Match      26.8% Score 69.5; DB 6; Length 1450;
Best Local Similarity 37.5%; Pred. No. 0.38;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;
```

```
Qy 1 KSCCSTLGRNCYNLCRYV--GAQKLCAGVCRCKLTSSG-KCPTGFPK 45
Db 549 BSCPPDTFGKNCSPSCCONGTCDSTVAGACRCPGVSTNCEDGCPK 596
```

```
RESULT 11
US-10-453-372-874
```

```
; Sequence 874, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
```

```
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Cirusseq1st version 0.1
; SEQ ID NO 874
; LENGTH: 1450
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-453-372-874
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Query Match      26.8%; Score 69.5; DB 6; Length 1450;
Best Local Similarity 37.5%; Pred. No. 0.38;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;
```

```
Qy      1  KSCCRSTLGRNVCNLCRV--GAQKLCAGVCRCKLTSSG-KCPTGFPK 45
Db      549  ESCPPTFGKNCFSQNGGTCDSTVAGACRCPPGVSGTNCEDGCPK 596
```

```
RESULT 12
US-10-453-372-886
; Sequence 886, Application US/10453372
; Publication No. US2006000323A1
; GENERAL INFORMATION:
; APPLICANT: Alisobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Cirusseq1st version 0.1
; SEQ ID NO 886
; LENGTH: 1547
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-453-372-886
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Query Match      26.8%; Score 69.5; DB 6; Length 1547;
Best Local Similarity 37.5%; Pred. No. 0.4;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;
```

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Qy      1  KSCCRSTLGRNVCNLCRV--GAQKLCAGVCRCKLTSSG-KCPTGFPK 45
Db      529  ESCPPTFGKNCFSQNGGTCDSTVAGACRCPPGVSGTNCEDGCPK 576
```

```
RESULT 13
US-10-055-877-54
; Sequence 54, Application US/10055877
; Publication No. US2005028821A1
; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
```

```
; APPLICANT: Padigaru, Murajidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Rattelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zernhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Paturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eileen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shimkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Verneet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Sureeh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ference
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 1577
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-055-877-54
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Query Match      26.8%; Score 69.5; DB 6; Length 1577;
Best Local Similarity 37.5%; Pred. No. 0.41;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;
```

```
Qy      1  KSCCRSTLGRNVCNLCRV--GAQKLCAGVCRCKLTSSG-KCPTGFPK 45
Db      559  ESCPPTFGKNCFSQNGGTCDSTVAGACRCPPGVSGTNCEDGCPK 606
```

```
RESULT 14
US-10-453-372-882
; Sequence 882, Application US/10453372
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```

: PRIOR APPLICATION NUMBER: 60/227800
: PRIOR FILING DATE: 2000-08-25
: Remaining Prior Application data removed - See File Wrapper or PALM.
: NUMBER OF SEQ ID NOS: 1609
: SOFTWARE: CuraseqList version 0.1
: SEQ ID NO 884
: LENGTH: 1577
: TYPE: PR1
: ORGANISM: Homo sapiens
US-10-453-372--884

Query Match      26.8%; Score 69.5; DB 6; Length 1577;
Best Local Similarity 37.5%; Pred. NO. 0.41;
Matches 18; Conservative 3; Mismatches 24; Indels 3; Gaps 2;

Cy      1 KSCCRSLGRNCVYLGRVR--GAQKLCAGVCRCKLTSSG-KCPTGFPK 45
      :|||:|||||:|:|:|||||:|||||:|||||:|||||:
Db      559 ESCPPDTFFGNKCSFSCGNGGTCDSTVGACRCPGVSGTNCEDGCPK 606

Search completed: January 13, 2006, 15:04:18
Job time : 9 secs

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